5/18/84
A2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 62 - No. 4 APRIL 1984

Paper and Paperboard Production: Industry Running Full

For the first time in history, the production of paper and paperboard exceeded 6 million tons in a single month. Preliminary data show total production in March 1984 at 6,029,000 tons, 8.8% above its year-ago level. Both paper and paperboard production established new highs, with each group moving above the 3 million-ton level for the first time. For the first quarter as a whole production ran 10.4% above its year-earlier level.

On a seasonally adjusted basis, however, the trend level of paper and paperboard production (average of February and March seasonally adjusted data) was at the rate of 67.9 million tons per year, about 1% below the February trend level. The normal seasonal pattern called for an 8.8% increase in production from February to March, after taking into account the extra day in February for leap year. The actual increase was 6.8%, reflecting in part the fact that some grades were operating at or near practical maximum capacity throughout this period.

For the entire first quarter of 1984, paper and paperboard production was at the seasonally adjusted rate of 68.2 million tons per year, just about equal to the previous quarter and 2.4% above the third quarter rate of 66.6 million tons per year.

Paper production: The strongest production trends among the various paper grades continued to be in the printing paper and the other packaging/industrial grades. Production of both uncoated groundwood and total coated papers was some 18% above the year-earlier totals in the first quarter of 1984, as was the production of the "other" packaging/industrial grades. The heavy demand for printing papers reflected the strong demand for print advertising as evident in the expanding use of direct mail catalogues, reports, brochures and magazines.

While the production of the uncoated free sheet shipments in the first quarter of 1984 was 7.7% above the comparable 1983 total, the trend of shipments during the first three months of 1984 appears to be pointing downward. The production trend, however, has been steady according to API weekly reports. Unfilled orders for these papers, which had climbed from 639,000 tons at the end of October 1983 to 676,000 tons by the year end, fell to 589,000 tons during the first two months of 1984, but held that level in March.

Continued on Page 2

Continued from Page 1

Production of tissue papers, which had posted an 8% gain in 1983 over the 1982 total, continued to show good gains over 1983 in the first three months of 1984, with a 5% advance over its year-earlier level. The trend of production has stabilized; on a seasonally adjusted basis tissue paper production was at 4.8 million tons per year in the first quarter of 1984, just matching the average rate for all of 1983.

Among the packaging and industrial converting grades, shipments of unbleached kraft paper strengthened considerably in March, bringing the first quarter 1984 total 4.4% above its year-ago level; in the first two months of 1984 the total just matched its year-ago level.

Paperboard Production: Paperboard production, as noted above, also moved to a new high in March. Production of containerboard for domestic use, which accounted for more than 60% of total paperboard production, was 13% ahead of its year-ago level, compared to an 11.7% gain in shipments of fibre boxes, as reported by the Fibre Box Association. Production of boxboard for domestic use has also been quite strong, with the first quarter 1984 total up 9% from the comparable 1983 quarter. This reflected an 11% increase in production of folding boxboard for domestic use and a 13% increase in set-up boxboard. Production of milk carton stock for domestic use showed a strong 10% gain.

The largest gains, however, continued in the other categories, with production of gypsum wallboard facings up 52% and panelboard 47%.

Production of paperboard for export strengthened considerably in March from its January-February level, moving back to 249,000 tons, which nearly matched the March 1983 total. However, the first quarter 1984 total was still 8% below that of the first quarter of 1983.

Employee Relations

On the labor scene, 1983 was a fairly heavy year for union negotiations. To date, 156 mills have reached agreements covering approximately 72,000 employees. The first year's negotiated increase for these contracts was 5.6%, down from 1982's rate of 6.9%. The heaviest round of negotiations was in the Southern Region, where 60 mills negotiated first year increases averaging 5.9%.

Increases negotiated to take effect in 1984 and 1985 averaged 5.7% and 5.1%, on a nationwide basis.

The unions involved in negotiations on the U.S. West Coast (three companies, 13 mills) and in British Columbia have rejected employers' offers. However, at this writing all the mills involved are presently operating.

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Tons)

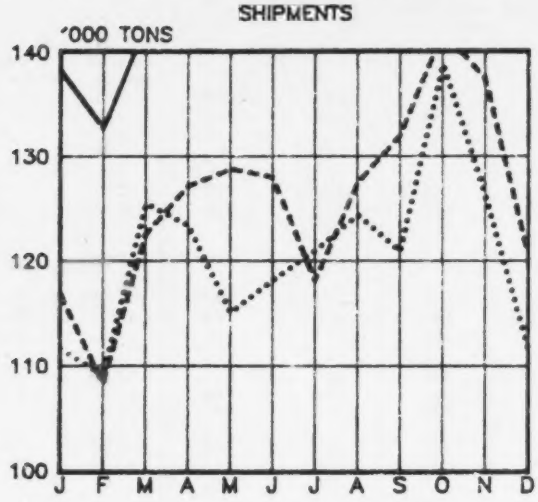
	YEAR 1982	YEAR 1983	DEC. 1983	JAN. 1984	FEB. 1984	MARCH 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
PAPER					R	P		
Newsprint - Production	5042	5167	410	459	452	478	5380	6.2
- Shipments	4988	5153	430	457	454	500	5843	14.8
Printing & Writing	15843	17355	1458	1531	1514	1582	18550	11.8
Groundwood Paper - Shipments	1458	1508	121	138	133	143	1654	18.8
- New Orders	1469	1558	122	147	153	143	1770	24.0
- Unfilled Orders	81	136	136	181	184	186	188	74.3
Coated Paper - Shipments	5032	5743	486	514	518	537	6274	18.0
- New Orders	4898	5845	545	502	533	553	6381	17.1
- Unfilled Orders	325	531	531	526	546	581	581	52.7
Unctd Free Sheet - Shipments	7217	8702	726	767	750	782	9182	7.7
- New Orders	7820	9010	735	730	715	787	8930	-0.8
- Unfilled Orders	321	676	676	618	588	592	592	28.8
Thin Paper - Shipments	323	328	24	28	27	32	348	2.1
Cotton Fiber Paper - Shipments	118	124	10	12	12	12	142	14.8
Bleached Bristols - Production	885	948	81	73	75	87	840	5.7
Tissue Paper - Production	4438	4780	380	407	385	426	4811	5.0
Total Packaging & Other Paper	5300	5806	449	487	488	527	6008	8.8
Unbl. Kraft Paper - Shipments	3688	3792	301	322	322	352	3982	4.4
Other Paper - Production	1612	1814	148	165	166	176	2027	18.8
TOTAL PAPER-Production-Unadj. *	30422	32917	2706	2885	2849	3023	35028	9.4
-Production-S.A. *			2885	2908	2868	2902	34317	8.1
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	22588	24718	1885	2110	2148	2305	26253	10.3
Unbl. Kraft Linerboard (1)	13484	15007	1132	1268	1308	1384	15875	10.0
Production for Export	1931	2163	188	154	153	180	1881	-6.5
Other Unbl. Kraft Paperboard	1040	1061	72	91	90	102	1131	14.2
Semichemical Paperboard	4389	4731	384	432	410	452	5173	15.2
Production for Export	185	188	13	12	14	14	180	-21.4
Solid Bleached Paperboard	3885	3818	307	322	340	357	4074	5.1
Production for Export	525	518	32	40	42	44	504	-10.3
Recycled Paperboard	6478	7234	588	671	648	702	8088	15.1
Production for Export	13	21	1	1	1	1	13	-18.1
TOTAL PAPERBOARD-Prod.-Unadj. *	28083	31851	2483	2781	2798	3007	34342	11.4
- Containerboard Prod.(Dom. Use)	17508	18281	1482	1701	1713	1811	20888	13.0
- Boxboard Prod.(Dom. Use) (2)	5150	5488	435	477	486	527	5982	9.0
- All Other P'bd Prod.(D.U.) (2)	3753	4274	333	385	369	420	4813	21.8
- Total Paperbd Prod. for Export	2854	2898	214	208	210	249	2688	-8.3
TOTAL PAPERBOARD PROD.- S.A. *			2871	2823	2852	2789	33858	10.2
TOTAL PAPER AND PAPERBOARD Production - actual *	58488	64868	5189	5666	5847	6030	68371	10.4
Production - S.A. *			5756	5731	5721	5581	68175	9.2

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* NOTE: Year 1984 contains one more day than year 1983.

P Preliminary
R Revised
S.A. Seasonally Adjusted

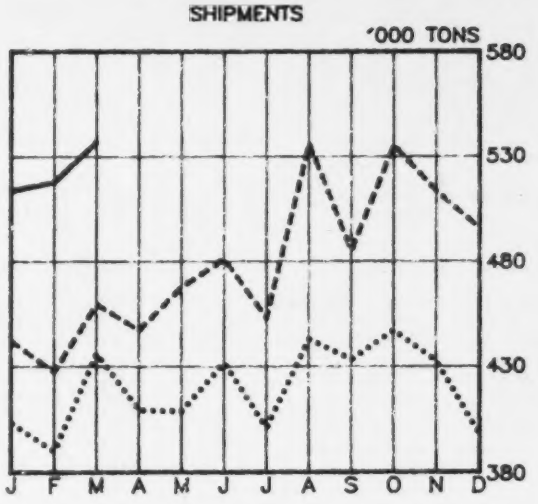
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



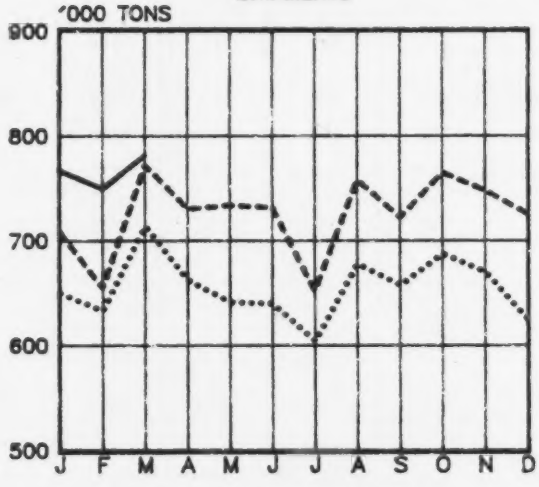
COATED PAPER

SHIPMENTS



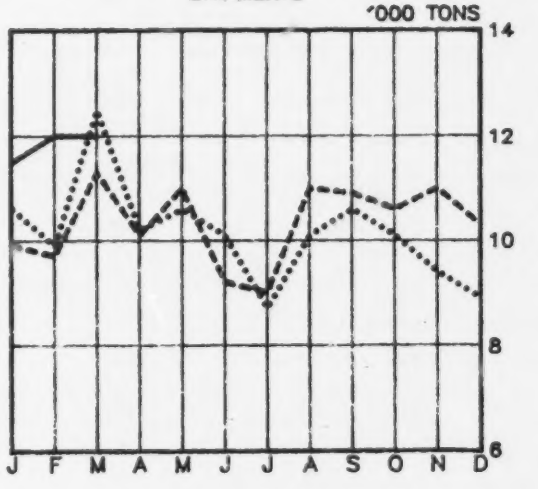
UNCOATED FREE SHEET PAPERS

SHIPMENTS



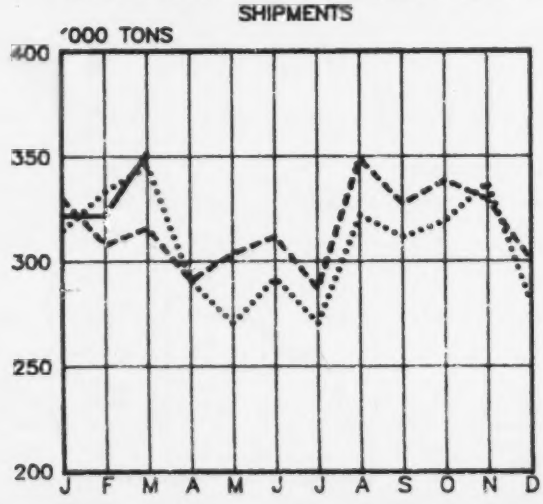
COTTON FIBER PAPER

SHIPMENTS



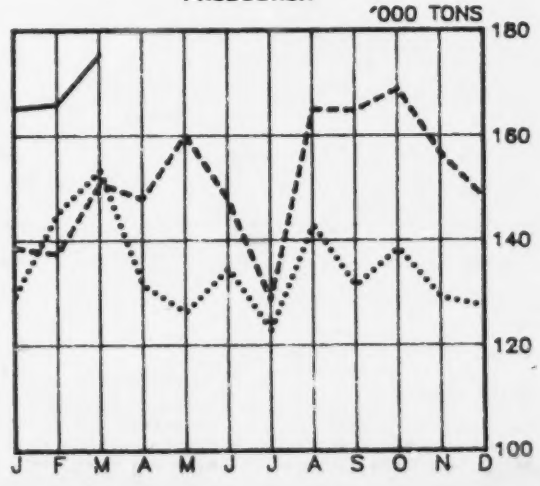
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1982 ····· 1983 - - - - 1984 ——

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1982	YEAR 1983	NOV. 1983	DEC. 1983	JAN. 1984	FEB. 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	49334	52535	4587	4124	4513	4538	54308	9.3
- Imports	3656	4083	382	345	337	420	4545	31.8
- Exports	3385	3644	252	384	280	317	3481	14.3
- New Supply	48585	52885	4708	4085	4591	4641	55393	10.6
Dissolving Pulp - Production	1092	1281	117	106	98	106	1220	1.3
- Imports	186	192	7	21	15	12	181	-22.2
- Exports	631	647	61	72	52	38	543	0.6
- New Supply	647	806	63	54	61	78	838	-3.8
Paper Grades - Production	38478	42356	3704	3287	3601	3648	43489	9.2
Chemical Pulp - Imports	3302	3708	[illegible]	305	304	380	4102	32.6
- Exports	2736	2858	189	310	205	278	2884	18.5
- New Supply	40044	43105	3843	3282	3698	3750	44696	10.4
Groundwood and - Production	5064	5067	443	418	463	454	5502	10.8
Thermo-Mech. - Imports	167	195	28	20	19	28	283	91.0
- Exports	27	40	2	2	3	1	24	-46.2
- New Supply	5204	5222	467	436	479	481	5781	13.8
Semi-Chemical - Production	3698	3851	334	303	352	331	4098	11.3
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3698	3851	334	303	352	331	4098	11.3
MARKET WOOD PULP								
Total Market - Production	5732	6416	577	475	541	564	6631	15.5
Wood Pulp - Imports	2443	2945	238	283	231	274	3027	22.7
- Exports	3143	3422	248	315	259	317	3451	14.9
- New Supply	5031	5939	567	453	513	521	6207	19.3
Dissolving Pulp - Production	1089	1260	116	106	97	106	1217	1.1
- Imports	194	210	13	23	20	13	198	-4.0
- Exports	675	698	58	78	47	52	593	-8.6
- New Supply	608	772	72	50	70	67	822	6.1
Paper Grades - Production	4643	5144	459	368	443	458	5404	19.4
Chemical Pulp - Imports	2202	2698	222	266	204	254	2749	21.9
- Exports	2468	2724	191	237	211	265	2858	20.6
- New Supply	4377	5117	490	398	436	447	5294	20.1
Groundwood Pulp - Production	1	12	1	1	1	1	10	-10.5
and All Other - Imports	46	38	4	4	6	7	81	1008.1
- Exports	0	0	0	0	0	0	0	0.0
- New Supply	47	50	5	5	7	8	91	387.0

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

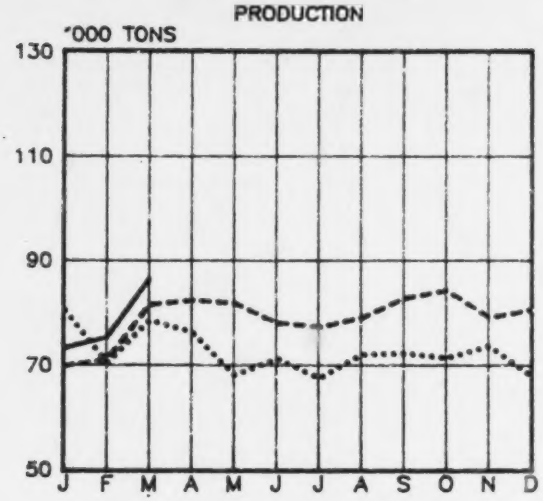
FIBROUS RAW MATERIALS
(Thousands of tons)

CONSUMPTION AT PAPER & PAPERBOARD MILLS					R	P		
Total	81332	85489	5727	5245	5659	5783	88654	11.0
Total Wood Pulp	47767	50960	4452	4088	4367	4507	53244	11.0
Waste Paper	13565	14539	1275	1157	1292	1276	15410	11.2
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	177	172	192	172	151	143	143	-25.6
Market Pulp at Pulp Mills	437	380	484	380	394	351	351	-17.2
Mkt Pulp at Ppr. & Bd. Mills *	429	522	489	522	564	543	543	28.1
Waste Paper at Paper &Bd. Mills	1022	920	864	920	908	896	896	2.6
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	37	28	34	28	28	23	23	-34.3

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

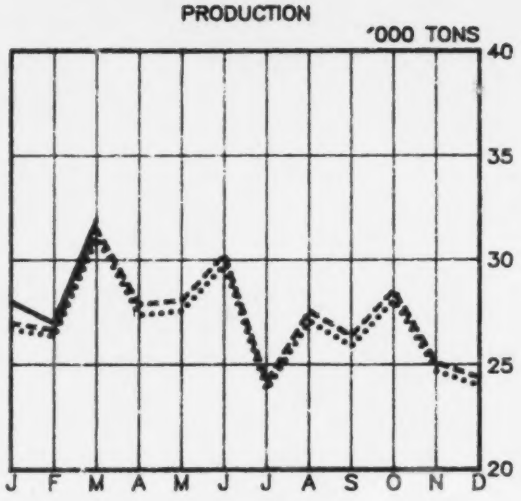
BLEACHED BRISTOLS

PRODUCTION



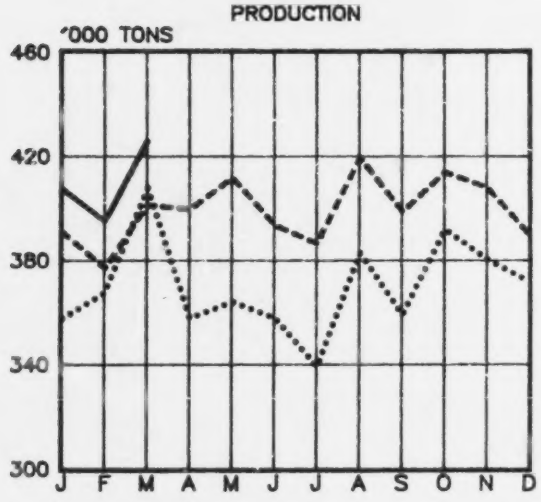
THIN PAPER

PRODUCTION



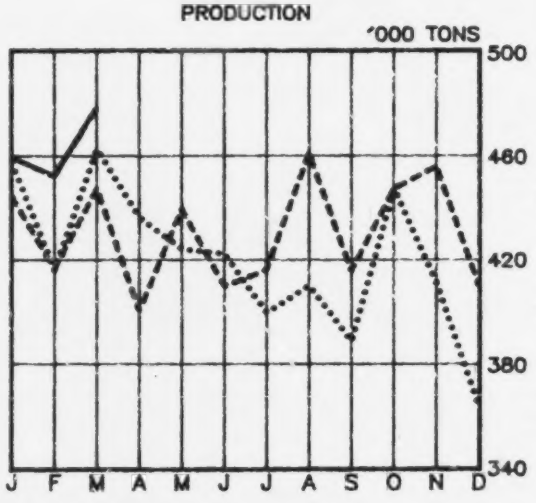
TISSUE PAPER

PRODUCTION



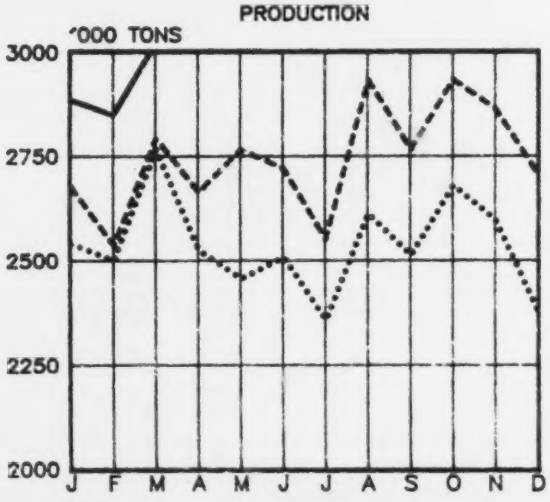
NEWSPRINT

PRODUCTION



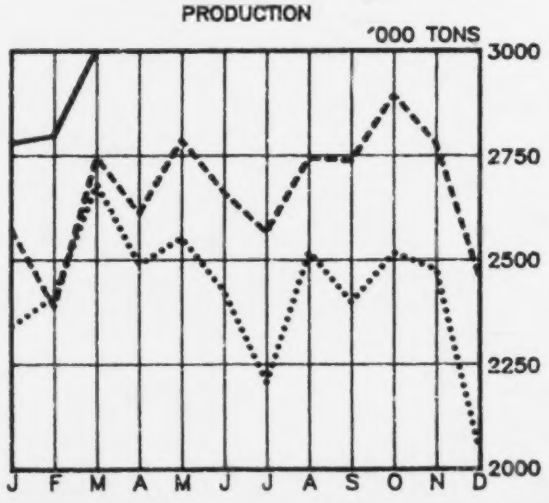
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ——

FIBROUS RAW MATERIALS (Continued)
(Thousands of Standard (128 cubic foot) Cords)

		YEAR 1982	YEAR 1983	NOV. 1983	DEC. 1983	JAN. 1984	FEB. 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78519	84475	7172	6691	7044	7434	86868	7.6
	- Total Consumpt.	79039	85442	7267	6741	7185	7295	86880	5.2
	- Residues *	31152	32755	2802	2506	2554	2813	32202	5.6
	- Inventories	5426	5229	5266	5229	5168	5192	5192	-3.8
So. Atlantic	- Total Receipts	23789	25736	2150	2087	2094	2204	25788	7.3
	- Total Consumpt	23725	25847	2153	2020	2151	2238	26334	4.3
	- Residues *	8273	7904	671	613	650	685	8010	5.9
	- Inventories	1165	1163	1103	1163	1101	1052	1052	4.0
Northeast	- Total Receipts	7283	7051	646	619	680	665	8070	8.8
	- Total Consumpt	7221	7274	663	600	678	642	7920	5.2
	- Residues *	1452	1199	117	107	106	114	1320	18.8
	- Inventories	652	577	543	577	587	621	621	-12.5
South Central	- Total Receipts	26510	29409	2538	2215	2305	2484	28734	6.2
	- Total Consumpt	27153	29152	2478	2282	2380	2483	29178	5.9
	- Residues *	8616	9218	778	645	703	757	8760	3.3
	- Inventories	1346	1536	1627	1536	1485	1455	1455	7.0
North Central	- Total Receipts	5601	6285	493	527	621	688	7854	6.1
	- Total Consumpt	5706	6343	551	484	574	542	6696	6.6
	- Residues *	1517	1822	146	145	102	146	1488	-23.5
	- Inventories	925	851	823	851	906	987	987	-8.6
West	- Total Receipts	15356	16014	1345	1263	1344	1393	16422	11.0
	- Total Consumpt	15234	16826	1421	1345	1402	1390	16752	4.8
	- Residues *	11294	12612	1089	996	993	1111	12624	10.8
	- Inventories	1338	1102	1170	1102	1079	1077	1077	-12.8

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA
IMPORTS FROM CANADA

	YEAR 1983 Tons	YEAR 1983 $000	JAN. 1984 Tons	JAN. 1984 $000	FEB. 1984 Tons	FEB. 1984 $000	Annual Rate Y-T-D 1984	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	155124	7471	11557	526	12973	598	147180	58.0
Pulpwood Chips	1987168	48979	149841	3539	271444	5787	2527710	47.7
Wood Pulp, Total	3755201	1363975	327983	121[illegible]	375767	144141	4222500	32.8
Waste Fibrous Materials, Total	157732	26491	11708	2043	14424	2477	156802	31.2
Paper, Board & Products,Total	8274914	3372726	774702	321245	745619	310640	9121930	31.2
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	8221322	3274062	769649	311512	739956	300844	9057625	30.9
Paper Paperboard & Products	7846516	3277974	750604	315594	711388	303220	8772008	32.5
Paper & Paperboard, Only	7782924	3179310	745550	305861	705734	293424	8707703	32.3
Paper, Total	7633585	3139193	725157	300412	683000	287550	8448940	30.8
Newsprint	6845135	2732234	650144	260300	611564	248265	7570248	29.7
Printing,Writing & Rel.Par.	895907	348512	66062	34525	59726	32366	754729	33.9
Pack. & Ind. Conv. Paper	79209	46889	7866	4632	10367	5674	109394	74.2
Special Industrial Paper	2732	4473	226	370	328	576	3327	108.4
Tissue Paper	10602	7085	858	585	1016	670	11242	311.1
Paperboard, Total	159339	40117	20394	5449	22734	5874	258763	123.8
Convtd Paper&Paperbd Products	53592	98664	5054	9733	5664	9786	64305	73.0
Wet Machine Board	3036	1916	198	130	259	174	2743	5.4
Construction Paper & Board	425362	92836	23901	5322	33962	7246	347178	4.6

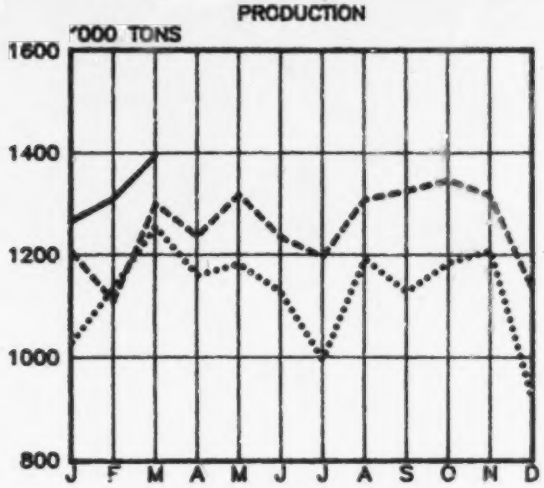
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	68985	4381	3534	242	2674	150	37248	-35.1
Pulpwood Chips	38246	2026	783	35	1703	80	14796	-3.7
Wood Pulp, Total	133633	55369	15909	7290	12315	5632	169344	32.7
Cotton Pulp & Other Pulp	9567	5287	1261	544	935	580	13176	82.7
Waste Paper	346809	39478	24683	2801	24879	3050	297252	8.6
Paper, Board & Products,Total	559229	471256	58294	41243	61454	42729	718487	16.2
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	448117	306687	39867	27823	43101	29561	496609	15.4
Paper, Paperboard & Products	628109	459325	56228	40416	58545	41819	684640	17.7
Paper & Paperboard, Only	416998	294756	37602	26996	41192	28650	472762	17.5
Paper, Total	230771	210626	21127	19018	25855	21463	281890	35.2
Newsprint	4312	3805	350	302	410	294	4558	19.4
Printing,Writing & Rel.Par.	125110	101541	12138	10268	11366	10165	141027	16.7
Pack. & Ind. Conv. Paper	34403	20921	2587	1682	3582	2320	37009	69.4
Special Industrial Paper	63390	81389	5851	6442	10168	8433	96115	63.8
Tissue	3556	2969	202	324	329	252	3184	-5.9
Paperboard, Total	186226	84131	16475	7978	15337	7187	190872	-1.4
Convtd Paper&Paperbd Products	211112	164568	18627	13420	18353	13169	221878	18.1
Wet Machine Board	5289	2976	196	107	260	198	2735	-49.7
Construction Pap & Bd. E	25831	8955	1870	721	1643	712	21112	-7.6

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

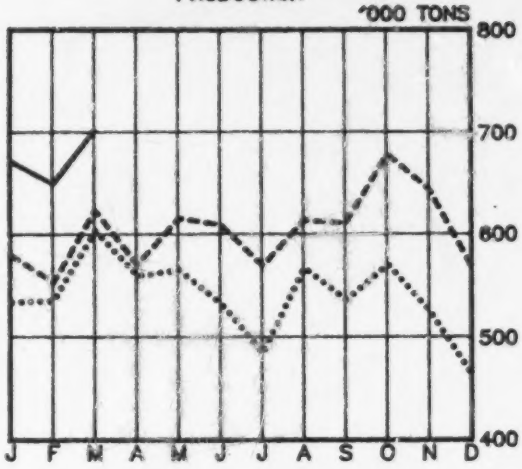
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



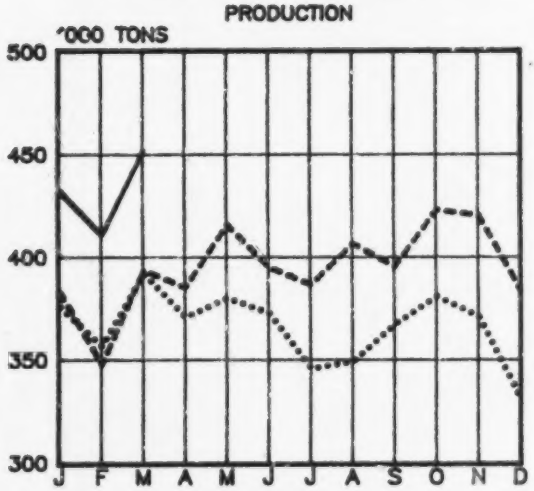
RECYCLED PAPERBOARD

PRODUCTION



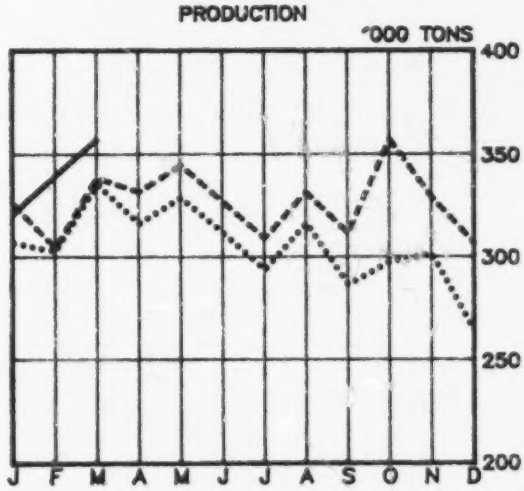
SEMICHEMICAL PAPERBOARD

PRODUCTION



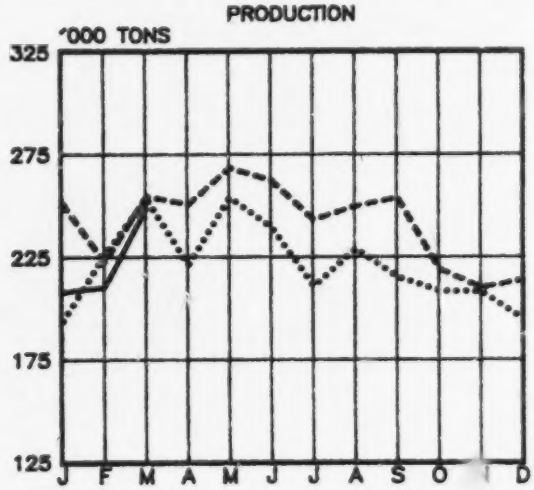
SOLID BLEACHED PAPERBOARD

PRODUCTION



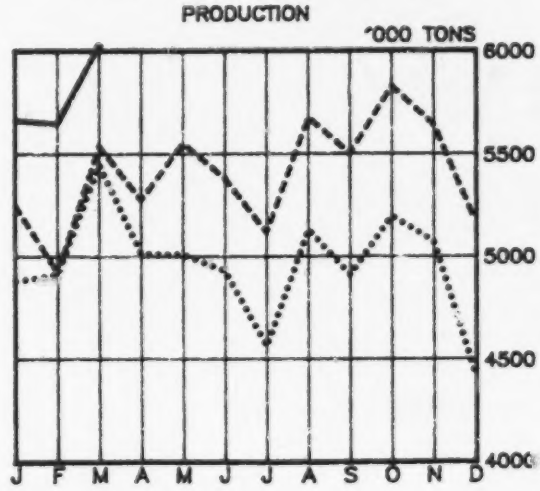
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ——

PULP PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

IMPORTS

	YEAR 1983 Tons	YEAR 1983 $000	JAN. 1984 Tons	JAN. 1984 $000	FEB. 1984 Tons	FEB. 1984 $000	(1) Annual Rate Y-T-D 1984	% Change From same Period Last Year
Pulpwood Roundwood (cords)	155124	7471	11557	526	12973	598	147180	58.0
Pulpwood Chips	1991453	49104	149857	3541	271554	5794	2528466	47.7
Total All Imports	13248280	5526141	1236619	533422	1288582	557332	15151207	37.5
Wood Pulp Total	4093436	1472478	337494	124721	420082	158471	4545456	31.8
Waste Paper	100410	10537	7981	897	9271	921	103512	88.4
Other Fibrous Materials	68003	24272	4930	1973	6233	2151	66976	-12.0
Paper Board & Products Total	8986431	4018855	886214	405831	852996	395790	10435263	40.3
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	8834560	3582292	870713	364488	836179	352379	10241349	38.7
Paper Pbbd & Prds ex Cnst&WMB	8509180	3911591	859811	398621	815179	387482	10049941	42.2
Paper & Paperboard Only	8357309	3475028	844310	358279	798362	344071	9856027	41.7
Paper Total	8189491	3428868	821798	352175	773928	337594	9574355	40.0
Newsprint	6919348	2757524	663056	264082	621259	251553	7705890	31.4
Printing & Writing	1151011	587426	143923	77940	137325	75818	1687492	91.1
Uncoated Groundwood	732237	331017	73013	33423	70162	34021	859045	52.2
Uncoated Book	154147	88632	23648	14106	21777	13403	272547	67.1
Coated Print.& Impres. Pap	162441	101289	24370	15969	20701	13788	270422	148.9
Bristols	471	557	59	66	74	83	800	123.3
Writing and Similar Paper	81458	46718	18114	9970	19663	11030	228681	563.8
Thin (except Cigarette)	20258	19213	4721	4407	4949	3493	58018	377.5
Total Pkg & Other Paper	107515	75694	13917	9503	14167	9430	168500	90.5
Unbleached Kraft Paper	42013	17454	4471	1975	6720	2698	67149	80.4
Other Pkg. & Indust. Paper	65503	58240	9446	7528	7446	6732	101351	90.5
Tissue	11617	8225	902	640	1177	793	12474	252.1
Paperboard, Total	167818	46160	22511	6104	24434	6477	281671	137.0
Test or Containerboard	48119	13042	5940	1759	7152	2017	78557	198.8
Semi-Chemical Corrugating	69564	14509	10272	2328	11753	2666	132150	162.7
Other Paperboard	50136	18609	6299	2017	5528	1795	70964	67.9
Convtd Paper&Paperbd Products	151872	436563	15502	41343	16817	43411	193914	79.8
Paper Products, Total	124816	373966	13305	36450	14740	38736	168271	82.7
Paperboard Products, Total	27055	62597	2196	4893	2078	4676	25643	24.7
Wet machine Board	3584	2422	260	169	354	243	3682	21.8
Construction Paper & Board	473667	104842	25144	6041	37463	8065	381640	[illegible]
Notes								
Other: No Weight Avail. ($000)		148251		16261		14355	183697	56.8
Total Imports Incl. Other($000)		5674392		549683		571687	6728221	44.5

EXPORTS

							(1)	
Pulpwood, Roundwood (cords)	69497	4405	3534	242	2998	165	39192	-31.7
Pulpwood Chips	2554176	171269	230485	15374	133410	8028	2183370	1.0
Total All Exports	10888949	4221511	873607	340829	888451	350249	10584348	8.0
Wood Pulp,Total	3643963	1362022	259573	100225	317285	120606	3461148	14.3
Cotton Pulp and Other Pulp	102863	69805	9288	5978	9455	4546	112458	14.8
Waste and Old Paper	2573716	308915	265327	32734	230894	29554	2977326	27.7
Paper, Board & Products,Total	4568407	2480769	341419	201892	330817	195542	4033416	-7.1
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3884277	1717768	291187	137629	277543	131534	3412377	-10.3
Paper, Pbbd & Prod ex Cnst&WMB	4501039	2448779	335153	198182	324262	191966	3856486	-7.5
Paper & Paperboard, Only	3918910	1685778	284921	133919	270987	127960	3335447	-10.8
Paper, Total	773414	599370	62601	51954	62721	49740	751933	2.8
Newsprint	294870	127119	23776	10517	21504	9492	271675	10.8
Printing & Writing	201798	198304	17770	18627	17246	17907	210093	10.3
Uncoated Groundwood	37289	33300	1886	2183	2082	1924	24284	-33.7
Clay Coated Paper	79182	60033	8460	6595	8235	6590	100169	37.5
Uncoated Free Sheet	59125	71662	5449	7167	5451	7341	65399	7.0
Other Printing & Writing	26202	33310	1895	2681	1479	2053	20240	2.2
Total Pkg. & Other Paper	260865	255086	20031	21416	22852	20948	257297	-8.6
Unbleached Kraft	116170	43227	8621	3868	7978	3041	99581	-36.3
Other Pkg. & Indust. Paper	144695	211859	11410	17548	14875	17907	157706	26.0
Tissue	15881	18861	1025	1394	1120	1393	12868	-11.3
Paperboard, Total	3143496	1086408	222320	81965	208266	78220	2583515	-14.1
Solid Wood Pulp	2983868	1016184	211297	76348	199667	74426	2465780	-14.2
Total Linerboard	2254538	575862	155177	43140	141858	38993	1782209	-14.2
Bleached Kraft Linerboard	160253	64914	15246	5951	17050	6562	193772	74.6
Unbleached Kraft Linerbd	2094285	510948	139931	37189	124808	33430	1588437	-19.2
Other Unbleached Kraft	107141	51822	11460	5446	5280	2979	100440	-29.5
Other Bleached Kraft	558431	371377	43314	27287	50735	30985	564296	2.8
Semi-Chemical Corrugating	73758	17144	1346	475	1794	470	18835	-81.8
Recycled Paperboard	149628	70224	11023	5617	8599	3794	117734	-13.8
Convtd Paper&Paperbd Products	584129	763001	50232	64263	53274	64008	621039	15.7
Paper Products, Total	311722	535596	25749	43741	27869	41160	321706	12.1
Paperboard Products, Total	272408	227406	24484	20522	25405	22847	299333	19.8
Wet Machine Board	11622	5420	831	592	938	404	10612	-19.8
Construction Paper & Board E	55746	26570	5435	3118	5618	3171	66317	30.1
Notes								
Other: No Weight Avail. ($000)		7965		370		559	5572	-1.8
Total Exports Incl. Other($000)		4229475		341198		350808	4152034	9.9

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	1982	1983	DEC.	JAN.	FEB.	MARCH	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulp, Paper and Products except Building Grades	273.2	271.4	276.8	280.0	283.3	286.4	283.2	5.4
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	275.9	273.3	277.9	281.2	284.2	287.1	284.2	4.7
Total Wood Pulp	379.1	347.1	351.3	364.4	371.5	376.0	370.6	7.4
Total Paper	286.3	282.3	288.9	294.3	298.6	299.2	296.7	6.4
Total Paper, exc. Newsprint	278.3	277.0	286.0	295.1	296.8	298.6	296.8	8.8
Newsprint	315.8	303.0	309.6	309.6	309.6	316.0	311.7	4.2
Total Paperboard	254.9	250.8	259.5	262.2	269.3	273.6	268.4	9.7
Total Paper and Paperboard #	276.5	272.4	279.7	284.2	288.0	291.2	287.8	7.4
Converted Products	264.4	265.4	268.0	269.4	271.6	274.1	271.7	2.5
Waste Paper	121.1	158.6	211.5	211.5	229.3	242.8	227.8	96.5
All Commodities	298.3	303.1	306.0	308.1	308.8	311.1	309.3	3.0
Industrial Commodities	312.3	315.7	318.4	318.2	320.4	321.8	320.5	2.1

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

Fibrous Raw Materials

While the pace of chemical paper grade market pulp production slackened somewhat in March 1984 from the 103% operating rate in February, the March rate was still in the neighborhood of 97%; the production of 470,000 short tons brought the first quarter total to a record high rate of 5.5 million tons per year, about 12% above the year-ago rate. For all of 1983, the production of chemical paper grade market pulp amounted to 5.14 million tons.

One of the major impacts of the strike at pulp mills in British Columbia, which was in effect thoughout the month of March, was on inventories of market pulp at producers. For all North America and Nordic producers, inventories at the end of December 1983 amounted to 1.33 million tons; at the end of March 1984 they had fallen to 1.0 million tons. For U.S. producers, the pattern was similar; inventories fell from 423,000 short tons at the end of 1983 to 323,000 tons at the end of March. However, the British Columbia mills have since re-opened although, as noted elsewhere in this report, the issues have not been resolved as of this writing.

Although the level of shipments of chemical paper grade market pulp in March 1984 was only 2% above the March 1983 level, the first quarter total increased by 14%. Shipments to the U.S. market rose by 16%; export shipments 11%. The gains in exports continued to be concentrated in the markets outside Western Europe; shipments to Western Europe declined 1%

Continued from Page 10

while shipments to Japan rose by 46% and shipments to all other markets combined by 16%.

Total wood pulp production in the first two months of 1984 was at the record high rate of 54.3 million tons per year, some 9% over the year-ago level. This was equivalent to 96% of the available capacity as of the beginning of 1984, as reported in the API's annual Capacity Survey. Dissolving pulp production rose by only 1.3%, while the paper grade pulps showed gains in the 9-11% range, as shown in the table on page 5.

Consumption of waste paper at paperboard mills for the entire first quarter of 1984 was 11% above the comparable 1983 figure.

Capital Expenditures

The Department of Commerce's forecast of an increase in capital expenditures in 1984 to 7.13 billion, 15% over the 6.18 billion spent in 1983, is fairly well supported by the most recent data available from the Conference Board on capital appropriations by paper and allied products companies. The Conference Board reported that newly approved appropriations for expenditures on plant and equipment in the fourth quarter of 1984 for the companies reporting in their sample (the paper and allied products producers included in the 1000 largest corporations in the U.S.) amounted to $1.2 billion. This compares to the $667 million appropriated in the third quarter and $1.36 billion appropriated in the entire first half of the year. Moreover, this figure was the highest quarterly total since the first quarter of 1982, when these companies appropriated $2.1 billion for these purposes.

For 1983 as a whole, appropriations were roughly 20% below the total appropriated in 1982. In addition, the Conference Board also reported that $590 million of previously approved appropriations were cancelled in the fourth quarter of 1983, but they were probably projects that had been on the books for some time. API is not aware of any cancellation of major recently announced projects.

For the year as a whole, capital expenditures by the companies in the reporting sample were about 8% below the 1982 total, a pattern consistent with that shown by the total industry. Thus, while newly-approved appropriations nearly matched capital expenditures, the $840 million worth of projects cancelled during the course of the year resulted in a decline in the unfilled order backlog from $5.1 billion at the end of 1982 to $4.1 billion at the end of 1983; the year-end level was equivalent to about 1.2 years of capital expenditures by these companies at their 1983 average rate.

Continued on Page 12

Continued from Page 11

Sales and Earnings

Thirty-two paper and allied production companies reported net sales in the first quarter of 1984 at 21% ahead of the first quarter 1983 level. These companies accounted for nearly two-thirds of the total sales by all paper and allied product companies as reported by the Bureau of Census in its Quarterly Financial Reports for Manufacturing (and other) Corporations. Net profits after taxes of these same companies rose by 68%, bringing the margin on sales from 3.1% in the first quarter of 1983 to 4.3% in the first quarter of 1984. This compares to the 5.0% margin for all paper and allied product companies achieved in both 1980 and 1981.

April 30, 1984

	Full Year		INDUSTRY DATA 1983-1984			1984 Ann. Rate Year - To - Date	% From Same Pd. Last Yr.
			R	R	P		
PAPER AND PAPERBOARD -- Tons (000)	1982	1983	January	February	March		
Total Production (API)..... excludins	59488	64868	5666	5647	6030	69371	10.4
Total Seasonally Adjusted.... construction			5731	5721	5591	68175	9.2
Imports (includins Products). and wet	7603	8509	860	815	N.A.	10100	36.5
Exports (includins Products). machine	4187	4501	335	324	N.A.	4158	-7.6
Apparent Consumption..... grades	62904a	68876b	6256	6212	6061	74112c	+12.5
Paper Production % Tonnage Capacity.....	87.8a	93.5a	93.9	98.1	97.2	97.2sh	-
Paperboard Production % Tonnage Capacity.....	82.1a	89.7a	90.6	97.0	96.7	96.2a	-
			December	January	February		
IMPORTS..... Including Construction and	8024	8986	775	886	853	10435	40.3
EXPORTS..... WMB Grades (excl. HPB)	4246	4568	360	341	331	4023	-7.1
MARKET WOOD PULP PRODUCTION - Tons (000).....	5732	6416	475	541	564	6631	15.5
TOTAL WOOD PULP PRODUCTION - Tons (000)..(F)....	49334	52535	4124	4513	4538	54309	9.3
WOOD PULP IMPORTS - TONS (000).....	3656	4093	345	337	420	4545	31.8
WOOD PULP EXPORTS - TONS (000).....	3395	3644	384	260	317	3461	14.3
RAW MATERIALS CONSUMPTION - Tons (000)							
..PAPER AND BOARD MILLS excludins			December	January	February		
Wood Pulp..... consumption For	47767	50960	4088	4367	4507	53244	11.0
Waste Paper..... construction &	13565	14539	1157	1292	1276	15410	11.2
TOTAL..... WMB grades	61332	65499	5245	5659	5783	68654	11.0
PULPWOOD CONSUMPTION Cords(000) Amer. Pulpwd. Assn	79039	85442	6741	7185	7295	86880	5.2
EMPLOYMENT (000)			January	February	March		
Paper and Allied Products.....Total.....	662.0	658.7	666.9	668.3	669.8	668.3	3.1
Pulp, Paper and Board Mills.....Total.....E	257.8	253.7	255.0	255.9	256.5	255.8	1.8
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)							
Paper and Allied Products.....	9.32	9.93	10.22	10.21	10.25	10.23	5.9
Pulp, Paper Mills.....E	10.88	11.71	12.11	12.11	12.15	12.12	7.3
Paperboard Mills.....E	11.13	12.11	12.53	12.53	12.55	12.54	7.6
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1983 Q3	1983 Q4	1984 Q1		
(Rept. by US Dept. of Com., Ann. Rates, Bill.$)*	5.97	6.18	6.18	6.24	7.07	7.13y	15.4
INDEX OF OUTPUT PER MAN-HOUR (1977=100).....			January	February	March		
IN PULP, PAPER ...Production Workers.....	109.9	121.5	126.0	125.1	122.3	124.5	3.4
AND BOARD MILLS ...All Employees.....	108.3	120.0	125.5	124.9	121.9	124.1	5.1
PAPER AND ALLIED PRODUCTS (Million $)			December	January	February		
Industry Shipments (Dept. of Commerce)*.....	78992	85662	7701	7743	7797	93240	16.1
Pulp, Paper and Paperboard*.....	33523	36346	3340	3347	3398	40470	18.3
Inventories (End of Period) - Total Industry*.	8607	8729	8728	8828	8898	8898	4.9
Pulp, Paper and Paperboard*.....	3365	3263	3263	3257	3293	3293	-1.9
			1983 Q3	1983 Q4	1984 Q1		
Sales (Corporations Only, FTC).....	60293	66100	16797	17279	N.A.	N.A.	N.A.
Earnings (Corporations Only, FTC).....	1460	2337	678	675	N.A.	N.A.	N.A.
Depreciation (Corporations Only, FTC).....	2379	2645	688	655	N.A.	N.A.	N.A.
Net Worth (Corporations Only, FTC).....	26705	27509	27381	27509	N.A.	N.A.	N.A.
PRICE INDEXES (Bureau of Labor Stats) 1967=100			January	February	March		
Pulp, Paper & Products, ex. Building Grades...	273.2	271.4	280.0	283.3	286.4	283.2	5.4
Wood Pulp.....	279.1	347.1	364.4	371.5	376.0	370.6	7.4
Waste Paper.....	121.1	158.6	211.5	229.3	242.9	Not Available	
Paper.....	286.3	282.3	294.3	296.6	299.2	296.7	6.4
Paperboard.....	254.9	250.8	282.2	269.3	273.6	288.4	9.7
PAPER DEMAND (INDEXED: 1967=100)			January	February	March		
Total Paper Production *.....	145.4	157.3	166.6	164.4	160.5	163.9	8.1
Paper New Supply *.....	135.1	147.6	161.0	157.2	154.9	157.7	12.6
Total End - Use Index *.....	149.5	157.8	167.3	168.3	168.8	168.1	11.7
Production of Nondurable Goods *...(19%)..	156.1	168.0	175.3	177.0	177.3	176.5	11.0
Disposable Income (Constant $) *...(23%)..	157.8	163.4	170.7	172.0	172.0	171.6	7.0
Total Printing and Publishing *...(58%)..	144.0	152.3	163.4	163.9	164.7	164.0	14.1
Trend Factor			Not Available				
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *.....	127.8	140.2	148.5	150.0	146.7	148.4	10.2
Production For Domestic Use	122.7	134.9	145.7	147.2	141.8	144.9	12.2
Total End - Use Index *.....	139.5	148.9	158.2	159.3	159.9	159.2	13.5
Production of Consumer Goods *...(60.49%)	142.7	151.8	159.5	159.9	160.3	159.9	11.2
Production of Equipment *...(6.62%)	139.8	140.8	154.7	156.3	157.1	156.0	16.5
Production of Materials *...(32.89%)	133.7	145.2	156.5	158.9	159.8	158.4	17.5
Trend Factor			Not Available				
NEWSPRINT MARKETS			December	January	February		
Consumption by Publishers - Tons (000).....	11141	11871	1052	934	969	11418	10.1
Newspaper Pub. and Printing Empl. Total(000)..	417.3	421.6	430.2	428.2	429.2	428.7	3.4
PRINTING AND FINE PAPER MARKETS							
MAGAZINE ADVERTISING PAGES (LNA, Inc.).....	121617	RS N.A.	N.A.	8933	11174	120642	6.0
WHOLESALERS SALES AND INVENTORIES (Million $)(J)							
Total Paper & Pap. Prdcts..ex Wallpaper..Sales	22776	26532	2439	2423	2405	28968	20.8
Inventories (End of Period)	1885	2341	2341	2371	2322	2322	17.6
FIBRE BOX DATA (Fibre Box Association)			January	February	March		
Fibre Box Shipments (Million square Feet).....	235185	252538	21872	21823	23650	269380	11.7
Container'bd Inventory at Mill & Plant(000Tons)	2584	2437	2408	2466	2477	2477	2.6
RETAIL TRADE (Million $)							
Total Retail Sales *.....	1074467	1171815	106602	105744	103400	1262984	14.1
Nondurable Goods Stores Sales *.....	753568	793398	69475	68778	68150	825616	7.6
GENERAL ECONOMIC DATA							
TOTAL INDUSTRIAL PRODUCTION (INDEX 1967 = 100)*.	138.6	147.8	158.4	160.0	160.7	159.7	15.3
PRODUCER PRICES(ALL COMMODITIES)(INDX 1967=100).	299.3	303.1	308.1	308.8	311.1	309.3	3.0
CONSUMER PRICES (ALL ITEMS) (INDEX 1967 = 100)..	289.1	298.4	305.2	306.6	307.3	306.4	4.5
			December	January	February		
TOTAL CONSUMER CREDIT OUTSTANDING - (Billion $).	344.8	387.9	387.9	386.4	389.2	388.2	17.3
GROSS NATIONAL PRODUCT - ANNUAL RATE (Billion$).			1983 Q3	1983 Q4	1984 Q1		
G.N.P. or Expenditure - Current $.....	3073.0	3310.5	3362.2	3436.2	3541.2	3541.2	11.7
G.N.P. or Expenditure - 1972 $.....	1485.4	1535.3	1553.4	1572.5	1604.3	1604.3	7.7

lb/capita

Pap&Parbd Othr Totl Popul(mil)

.a - 543 + 15 = 558 232.0

.b - 589 + 18 = 607 234.2

.c - 631 + 18 = 649 234.9

.E - Last month estimated by API

.e - estimated by API

s - Adjusted for holiday shutdowns

h - Adjusted to conform with API Division data

J - Census unpublished data; standard dev. = 6-8%

N.A. - Not Available

P - Preliminary

Q - Quarter

R - Revised

RS - Revised Series

y - Full year estim. by U.S. Dept. of Com.

* - Seasonally Adjusted

INDUSTRY FACT SHEET

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

APRIL 30, 1984

	PRODUCTION (000 TONS)					
	March 1984	Feb. 1984	March 1983	Jan -March 1984	- 1983	% Change 84/83
PAPER GRADES	P	R				
Newsprint	478	452	448	1390	1309	6.2
Printing & Writing	1592	1514	1479	4638	4150	11.8
Uncoated Groundwood (s)	143	133	123	413	348	18.9
Coated Paper (s)	537	518	460	1568	1329	18.0
Uncoated Free Sheet Paper (s)	782	750	773	2298	2135	7.7
Thin Paper (s)	32	27	32	87	85	2.1
Cotton Fiber Paper (s)	12	12	11	36	31	14.9
Bleached Bristols (s)	87	75	82	235	223	5.7
Tissue Paper	426	395	401	1228	1169	5.0
Total Pkg & Other Paper	527	488	467	1502	1380	8.8
Unbleached Kraft Packaging & Indl. Converting (s)	352	322	316	996	954	4.4
Other Paper *	176	166	151	507	427	18.8
TOTAL PAPER	3023	2849	2795	8757	8008	9.4
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1496	1399	1390	4252	3857	10.2
Unbleached Kraft Linerboard	1394	1309	1298	3969	3609	10.0
Other Unbl. Kraft Paperboard	102	90	92	283	248	14.2
Semichemical Paperboard	452	410	393	1293	1123	15.2
Bleached Paperboard	357	340	339	1019	969	5.1
Recycled Paperboard	702	649	624	2022	1756	15.1
TOTAL PAPERBOARD	3007	2798	2746	8585	7704	11.4
TOTAL PAPER AND PAPERBOARD	6030	5647	5541	17343	15712	10.4

WOOD PULP (ALL GRADES)	Feb. 1984	Jan. 1984	Feb. 1983	Jan - Feb. 1984	- 1983	% Change 84/83
Dissolving & Special Alpha	106	98	112	203	201	1.3
Bleached Sulfite	105	108	103	213	211	0.9
Unbleached Sulfite	24	25	28	49	59	-16.4
Bleached & Semi-Bl. Sulfate	1819	1781	1606	3599	3315	8.6
Unbleached Sulfate	1700	1687	1470	3387	3053	10.9
Semichemical	331	352	289	683	614	11.3
Groundwood and Thermomechanical	454	463	405	917	827	10.9
TOTAL PULP DIVISION DATA	4538	4513	4013	9052	8279	9.3

(s) - Shipments R - Revised E - Estimate
P - Preliminary * - Revised series based on A.P.I. data.

c1.2184
A2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol. 62 - No. 5 May, 1984

Demand Continues Strong

Demand for paper and paperboard remains at the record-high pace evident since last October. The April 1984 trend position of production, for example, (the average of the seasonally adjusted rates for March and April) was at the rate of 67.8 million tons per year, very close to the 68.3 million rate for the entire January-April period. The total tonnage produced in that period was up 10.0%, reflecting the extra leap-year day in 1984.

Paper: The trends among the various grades of paper have also stayed on the tracks established in the final months of 1983. Production of the printing paper grades, for example, continue to show important gains, with the January-April 1984 production for all such grades up 10.8% from its comparable 1983 level. Newsprint production, after a slow start in 1983 moved 8.5% over its comparable 1983 level in the first four months of 1984. The tissue paper grades are holding the gains established in 1983; their January-April 1984 production rate of 4.9 million tons per year is a record high. The packaging and industrial paper grades are also sharing in the current strength, running an average 10% above year-ago rates.

The current record-high rates of domestic newsprint production reflect the upsurge in newspaper publishing activity since mid-1983. In the first half of 1983 the seasonally adjusted rate of newsprint consumption was about 11.5 million tons per year, which was about where it had been for the previous four years. Demand started to rise before mid-year, and by early 1984 was at the rate of 12.2 million tons per year. This increase in demand not only brought domestic production to new highs, but also stimulated newsprint imports. Data available for the first three months of 1984 show imports of newsprint at the rate of 7.5 million tons per year, 17.4% above the comparable 1983 level and at the highest rate since 1978.

Continued on Page 2

AMERICAN PAPER INSTITUTE • 260 Madison Avenue, New York, N.Y. 10016

Continued from Page 1

Import demand was also stimulated by the strength in printing paper demand. With domestic production running close to effective capacity levels, imports have become an important addition to the domestic supply. Uncoated groundwood paper demand in the U.S., as noted in earlier reports, has been increasingly filled by imports. Last year imports of uncoated groundwood papers amounted to 732,000 tons, 33% of the total new supply of 2,225,000 tons. Domestic production was 1,530,000 tons. In the first three months of 1984 groundwood paper imports were at an annual rate of 913,000 tons, 56% above the total imported in the first three months of 1983, although only 25% above the full 1983 average rate. Domestic production of uncoated groundwood papers in the first four months of 1984 was at the annual rate of 1.6 million tons.

Coated paper production paced the rise in printing paper grades. Production of coated papers in the first four months of 1984 was at the rate of 6.2 million tons per year, 16.7% above its comparable 1983 level. The rate of imports of coated papers averaged 293,000 tons per year, gaining 173% from its year-ago rate. The strength in demand was evident in all the major coated paper markets, including magazines and commercial printing.

While uncoated free sheet paper production was also at record high rates, showing a 7.5% gain from year-earlier rates and holding above 9 million tons per year, imports have been unusually strong.

Imports of the printing paper grades of uncoated free sheet papers in the first three months of 1984 were nearly twice their year-ago rate, at nearly 300,000 tons per year, while imports of the writing paper grades were an astonishing 6.5 times their year-ago level, at 257,000 tons per year. At the same time, some of the upward pressures in the markets are easing; the backlog of unfilled orders has drifted downward since the end of 1983, moving from 686,000 tons to 522,000 tons at the end of April 1984.

Paperboard: The strength in paperboard production was also fairly well distributed among its various grades. Production of containerboard for domestic use in the first four months of 1984 showed a 13% gain over its year-ago level, maintaining the rising trend evident in the previous three quarters. This pattern of growth was fairly consistent with the 11% gain in shipments of corrugated shipping containers

Continued on Page 10

PAPER AND PAPERBOARD STATISTICS

PRODUCTION, SHIPMENTS AND ORDERS
(Thousands of Tons)

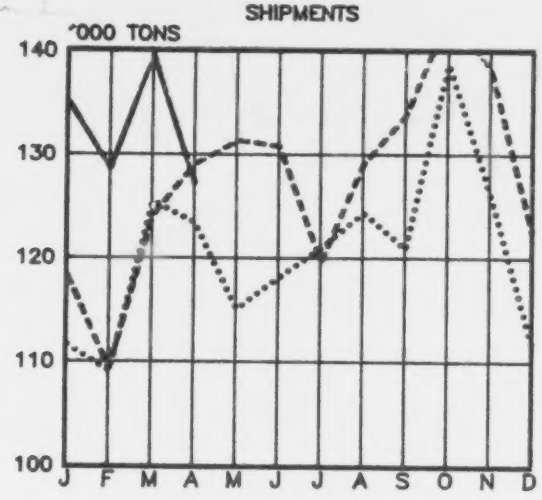
	YEAR 1982	YEAR 1983	JAN. 1984	FEB. 1984	MARCH 1984	APRIL 1984	Annual Rate Y-T-D 1984	% Change from same Period Last Year
PAPER					R	P		
Newsprint - Production	5042	5167	459	452	478	465	5364	8.5
- Shipments	4988	5153	457	454	500	484	5684	16.4
Printing & Writing	15643	17374 R#	1532	1517	1621	1508	18536	10.8
Groundwood Paper - Shipments	1459	1530 R	135	129	140	127	1592	10.4
- New Orders	1469	1581	143	148	140	133	1693	16.6
- Unfilled Orders	91	159	157	179	182	193	193	89.2
Coated Paper - Shipments RS	5032	5698 R	508	512	531	507	6172	16.7
- New Orders	4898	5896	496	527	548	510	6249	14.5
- Unfilled Orders	325	546	520	540	555	564	564	46.0
Unctd Free Sheet - Shipments	7847	8757 R	777	760	813	744	9281	7.5
- New Orders	7820	9066	739	725	819	687	8909	-1.5
- Unfilled Orders	321	686	623	587	612	522	522	5.8
Thin Paper - Shipments	323	328	28	28	32	29	349	2.8
Cotton Fiber Paper - Shipments	118	130 R	12	12	13	11	143	10.7
Bleached Bristols - Production	865	834 R	73	77	93	90	1000	10.8
Tissue Paper - Production	4438	4780	407	385	426	405	4888	4.1
Total Packaging & Other Paper	5300	5606	487	488	527	487	5888	9.8
Unbl. Kraft Paper - Shipments	3688	3792	322	322	352	334	3990	6.8
Other Paper - Production	1612	1814	165	166	175	163	2008	16.5
TOTAL PAPER-Production-UnadJ. *	30422	32936	2886	2852	3053	2873	34985	8.3
-Production-S.A. *			2909	2872	2830	2866	34429	8.4
PAPERBOARD - PRODUCTION								
Solid Wood Pulp Furnish	22589	24779	2113	2152	2312	2201	28335	8.7
Unbl. Kraft Linerboard (1)	13484	15001	1266	1309	1397	1332	15810	9.8
Production for Export	1931	2281	154	152	190	169	1995	-11.5
Other Unbl. Kraft Paperboard	1040	1121	94	95	106	95	1168	7.8
Semichemical Paperboard	4389	4730	431	410	451	427	5156	14.1
Production for Export	185	193	12	13	14	13	159	-23.3
Solid Bleached Paperboard	3665	3926	322	340	358	348	4101	5.0
Production for Export	525	514	40	42	44	42	503	-10.3
Recycled Paperboard	6476	7398	682	657	717	687	8229	14.4
Production for Export	13	24	1	1	1	1	14	-24.2
TOTAL PAPERBOARD-Prod.-UnadJ. *	29065	32177	2795	2810	3029	2888	34564	10.8
- Containerboard Prod.(Dom. Use)	17508	19173 R#	1697	1710	1810	1738	20870	13.0
- Boxboard Prod.(Dom. Use) (2)	5150	5551	484	490	531	506	6035	9.4
- All Other P'bd Prod.(D.U.) (2)	3753	4397	405	401	439	418	4988	19.8
- Total Paperbd Prod. for Export	2654	3012	208	208	249	225	2671	-12.2
TOTAL PAPERBOARD PROD.- S.A. *			2837	2864	2810	2790	33905	10.0
TOTAL PAPER AND PAPERBOARD Production - actual *	59488	65113 R#	5680	5661	6082	5763	68580	10.0
Production - S.A. *			5746	5736	5638	5657	68334	9.2

(1)Includes all exports of kraft paperboard.
(2)Data for unbl. kraft folding boxboard incl. in All Other P'bd.
* NOTE: Year 1984 contains one more day than year 1983.
RS Revised Series: 1983-84 data not fully comparable with earlier figures.
R# 1983-84 Grade data revised on the basis of annual survey by A.P.I. Divisions.

P Preliminary
R Revised
S.A. Seasonally Adjusted

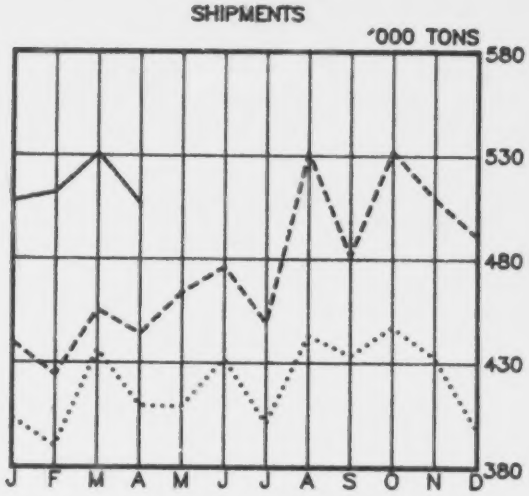
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



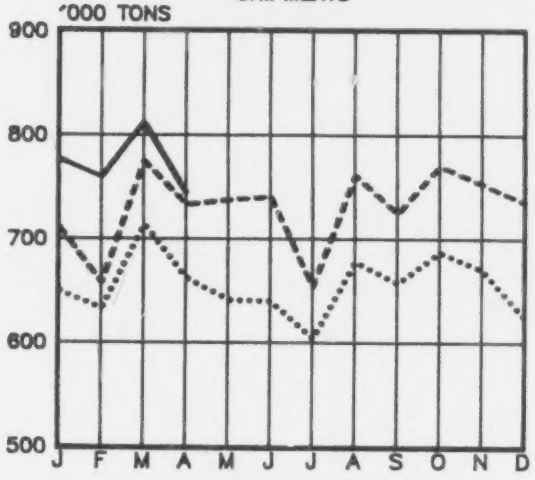
COATED PAPER

SHIPMENTS



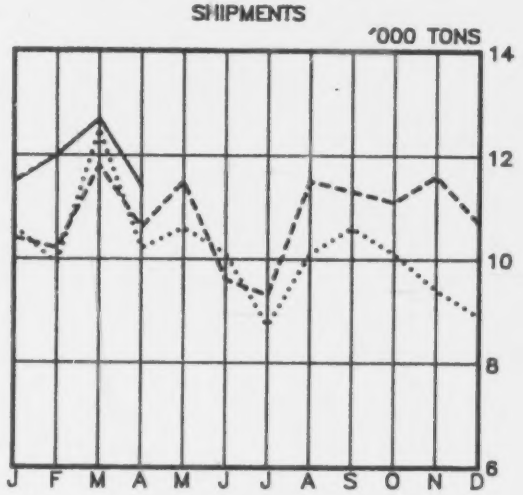
UNCOATED FREE SHEET PAPERS

SHIPMENTS



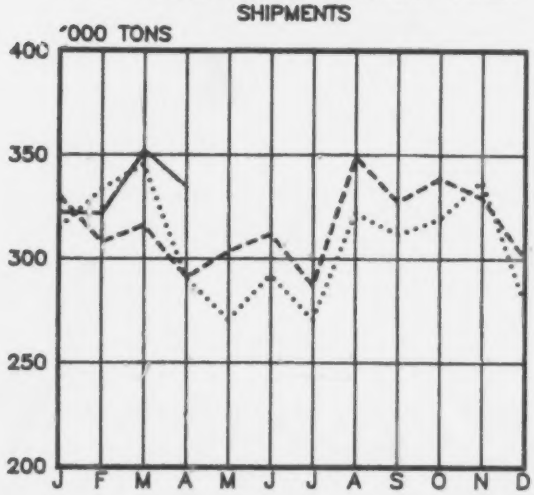
COTTON FIBER PAPER

SHIPMENTS



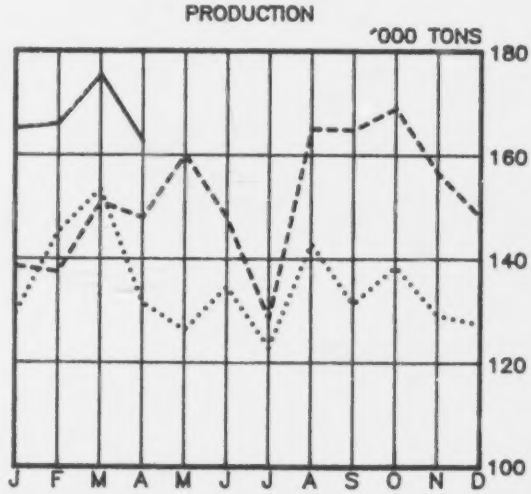
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER

SHIPMENTS



OTHER PAPER

PRODUCTION



1982 ····· 1983 - - - - - 1984 ———

WOOD PULP STATISTICS
(Thousands of Tons)

	YEAR 1982	YEAR 1983	DEC. 1983	JAN. 1984	FEB. 1984	MARCH 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
TOTAL WOOD PULP					R	P		
Total Wood Pulp - Production	49334	52537	4124	4513	4539	4858	55842	8.3
- Imports	3656	4093	345	337	420	341	4384	20.4
- Exports	3395	3644	384	260	317	374	3802	13.6
- New Supply	49595	52986	4085	4591	4642	4825	56234	8.8
Dissolving Pulp - Production	1092	1281	106	88	108	106	1236	-1.2
- Imports	186	192	21	15	12	20	188	-16.1
- Exports	631	647	72	52	38	74	657	11.1
- New Supply	647	806	54	81	79	52	766	-13.2
Paper Grades - Production	38478	42358	3297	3601	3651	3821	44692	8.1
Chemical Pulp - Imports	3302	3706	305	304	380	301	3838	18.8
- Exports	2736	2958	310	205	278	295	3111	14.8
- New Supply	40044	43106	3292	3699	3754	3926	45318	8.6
Groundwood and - Production	5064	5087	419	463	454	466	5532	8.8
Thermo-Mech. - Imports	167	195	20	19	28	20	269	87.5
- Exports	27	40	2	3	1	4	33	-17.6
- New Supply	5204	5222	436	479	481	482	5768	12.0
Semi-Chemical - Production	3689	3851	303	352	328	365	4182	11.8
- Imports	0	0						
- Exports	0	0	------	Included	with	Groundwood	Pulp	------
- New Supply	3689	3851	303	352	328	365	4182	11.8
MARKET WOOD PULP								
Total Market - Production	5732	6478	481	537	566	582	6779	10.0
Wood Pulp - Imports	2443	2945	293	231	273	283	3152	23.1
- Exports	3143	3421	315	259	317	332	3830	8.6
- New Supply	5031	6002	459	509	523	543	6301	17.1
Dissolving Pulp - Production	1089	1260	106	97	108	108	1234	-1.4
- Imports	194	210	23	20	13	21	217	-4.1
- Exports	675	698	79	47	52	83	726	0.5
- New Supply	608	772	50	70	67	44	724	-4.1
Paper Grades - Production	4643	5208	374	438	458	485	5533	13.0
Chemical Pulp - Imports	2202	2698	266	204	254	258	2870	23.5
- Exports	2468	2723	237	211	285	250	2804	10.8
- New Supply	4377	5181	404	432	448	495	5498	18.5
Groundwood Pulp - Production	1	12	1	1	1	1	12	0.0
and All Other - Imports	46	38	4	6	7	3	65	550.2
- Exports	0	0	0	0	0	0	0	0.0
- New Supply	47	49	5	7	8	4	77	248.8

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.

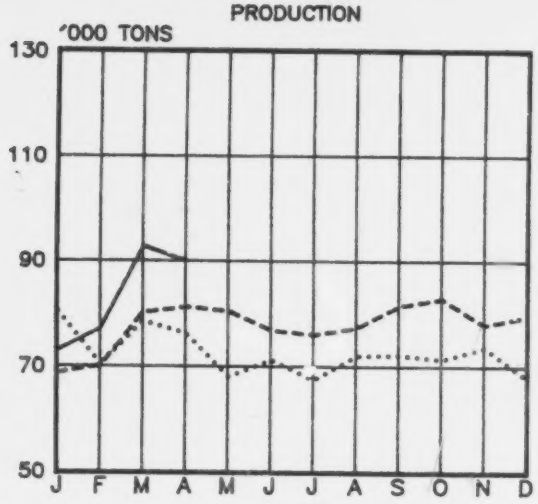
FIBROUS RAW MATERIALS
(Thousands of tons)

					R	P		
CONSUMPTION AT PAPER & PAPERBOARD MILLS								
Total	61332	65500	5246	5659	5801	6038	68885	8.9
Total Wood Pulp	47787	50961	4089	4367	4525	4849	54165	8.8
Waste Paper	13565	14539	1157	1292	1276	1389	15830	10.7
INVENTORIES								
Own Use Wood Pulp at Pulp Mills	177	170	170	151	142	154	154	-20.3
Market Pulp at Pulp Mills	437	384	384	394	351	323	323	-20.7
Mkt Pulp at Ppr. & Bd. Mills *	429	522	522	564	548	604	604	29.3
Waste Paper at Paper &Bd. Mills	1022	920	920	908	896	896	896	3.6
Days of Supply at Pulp Mills of Chemical Paper Grade Mkt Pulp	37	28	28	28	23	21	21	-32.3

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
* - Census data prior to 1982; P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

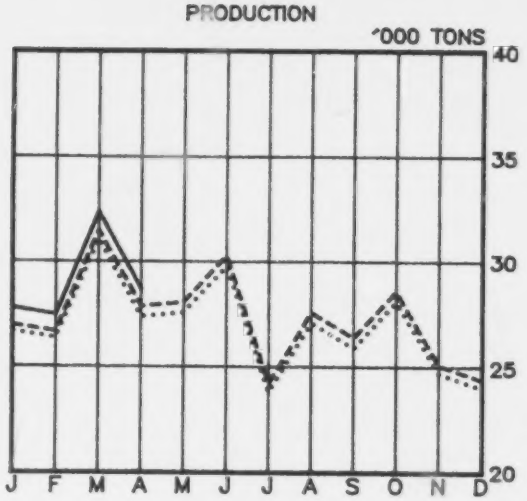
BLEACHED BRISTOLS

PRODUCTION



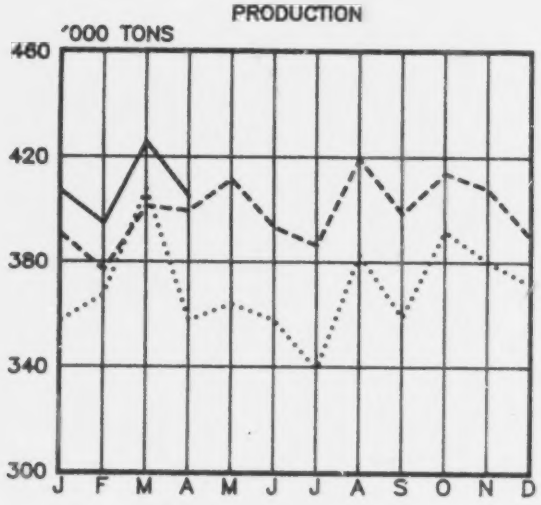
THIN PAPER

PRODUCTION



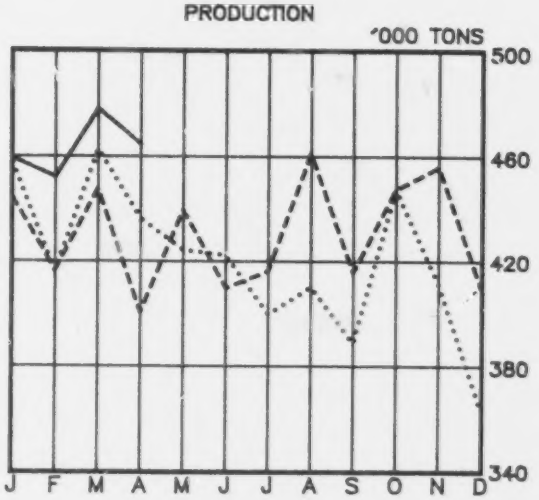
TISSUE PAPER

PRODUCTION



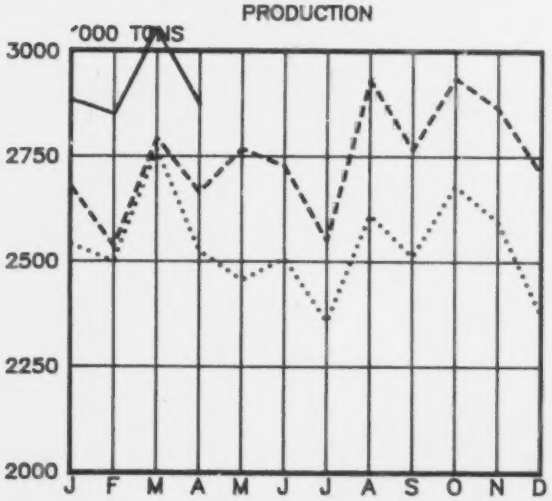
NEWSPRINT

PRODUCTION



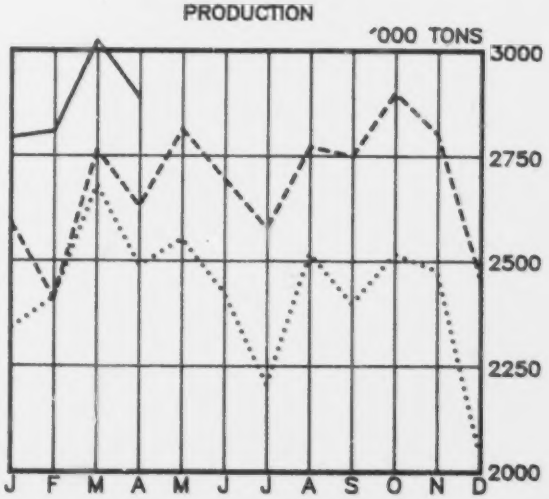
TOTAL PAPER

PRODUCTION



TOTAL PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ——

FIBROUS RAW MATERIALS (Continued)

(Thousands of Standard (128 cubic foot) Cords)

		YEAR 1982	YEAR 1983	DEC. 1983	JAN. 1984	FEB. 1984	MARCH 1984	Annual Rate Y-T-D 1984	% Change From same Period Last Year
PULPWOOD									
Total U.S.	- Total Receipts	78519	84475	6691	7044	7434	7689	88688	8.1
	- Total Consumpt.	79039	85442	6741	7185	7295	7660	88580	4.8
	- Residues *	31152	32755	2506	2554	2813	2876	32972	4.8
	- Inventories	5426	5229	5229	5168	5192	5157	5157	0.8
So. Atlantic	- Total Receipts	23769	25736	2087	2094	2204	2243	26164	6.5
	- Total Consumpt	23725	25847	2020	2151	2238	2275	26656	3.1
	- Residues *	8273	7904	613	650	685	688	8096	6.1
	- Inventories	1165	1163	1163	1101	1052	1017	1017	-12.6
Northeast	- Total Receipts	7283	7051	619	680	665	660	8020	11.5
	- Total Consumpt	7221	7274	600	678	642	673	7972	5.9
	- Residues *	1452	1199	107	106	114	113	1332	8.9
	- Inventories	652	577	577	587	621	611	611	-6.8
South Central	- Total Receipts	26510	29409	2215	2305	2484	2625	29858	5.2
	- Total Consumpt	27153	29152	2282	2380	2483	2641	30016	4.8
	- Residues *	8616	9218	645	703	757	782	8888	-0.0
	- Inventories	1348	1536	1536	1495	1455	1350	1350	1.5
North Central	- Total Receipts	5601	6265	527	621	688	634	7772	13.8
	- Total Consumpt	5706	6343	494	574	542	611	6908	7.6
	- Residues *	1517	1822	145	102	146	130	1512	-21.6
	- Inventories	825	851	851	908	987	1030	1030	4.3
West	- Total Receipts	15356	16014	1263	1344	1393	1527	17058	12.0
	- Total Consumpt	15234	16826	1345	1402	1390	1460	17008	8.0
	- Residues *	11284	12812	996	993	1111	1182	13144	11.6
	- Inventories	1338	1102	1102	1078	1077	1149	1149	-8.7

* - Consumption of Residues in Cord Equivalents. SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA

IMPORTS FROM CANADA

	YEAR 1983 Tons	YEAR 1983 $000	FEB. 1984 Tons	FEB. 1984 $000	MARCH 1984 Tons	MARCH 1984 $000	Annual Rate Y-T-D 1984	% Change From same Period Last Year
Pulpwood, Roundwood (in cords of 128 cubic feet)	155124	7471	12873	598	17448	849	167912	88.1
Pulpwood Chips	1987188	48979	271444	5787	336034	7033	3029276	52.6
Wood Pulp, Total	3755201	1363975	375767	144141	319538	125315	4083156	19.5
Waste Fibrous Materials, Total	157732	28481	14424	2477	12898	2108	156126	23.1
Paper, Board & Products,Total	8274914	3372726	745619	310640	719817	305224	8860556	17.4
Paper, Paperboard,Wet Machine Bd. & Constr. Paper & Bd.	8221322	3274062	739856	300844	714224	294780	8885310	17.3
Paper Paperboard & Products	7846516	3277974	711398	303220	681752	288508	8575015	18.9
Paper & Paperboard, Only	7782924	3179310	705734	293424	678158	286074	8508770	18.8
Paper, Total	7633585	3139183	683000	287550	654086	278954	8249012	17.4
Newsprint	6845135	2732234	611564	248265	581886	238439	7374376	16.3
Printing,Writing & Rel.Par.	695807	348512	59726	32366	61900	33965	750754	24.7
Pack. & Ind. Conv. Paper	78209	46889	10367	5674	8551	5075	107135	45.9
Special Industrial Paper	2732	4473	328	576	321	508	3503	50.1
Tissue Paper	10602	7085	1016	670	1438	965	13245	152.7
Paperboard, Total	159339	40117	22734	5874	22082	6120	280757	87.2
Convtd Paper&Paperbd Products	53582	98664	5664	9796	5584	10434	65245	44.9
Wet Machine Board	3036	1916	258	174	275	203	2827	4.5
Construction Paper & Board	425362	92836	33962	7248	37781	8514	382814	-8.6

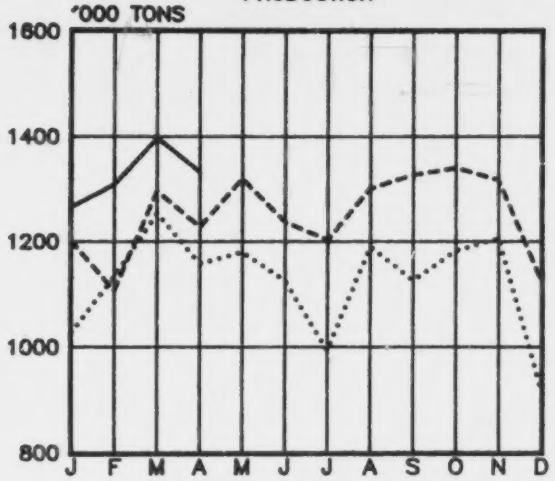
EXPORTS TO CANADA

Pulpwood, Roundwood (in cords of 128 cubic feet)	88965	4381	2674	150	3857	194	40260	-8.7
Pulpwood Chips	38246	2026	1703	80	2494	125	19840	8.2
Wood Pulp, Total	133633	55369	12315	5632	13143	5986	165468	15.2
Cotton Pulp & Other Pulp	9567	5287	935	580	764	504	11840	61.1
Waste Paper	346809	39478	24879	3050	29117	3383	314636	8.3
Paper, Board & Products,Total	659229	471256	61454	42729	72274	47384	768089	16.5
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Board	448117	306687	43101	28561	51833	31920	538804	18.2
Paper, Paperboard & Products	628109	459325	59545	41819	69621	46123	741578	18.3
Paper & Paperboard, Only	418998	294756	41192	28650	49279	30648	512292	20.9
Paper, Total	230771	210626	25855	21463	29846	22322	307312	28.5
Newsprint	4312	3805	410	294	845	508	6417	67.6
Printing,Writing & Rel.Par.	125110	101541	11366	10165	12282	11277	143144	7.8
Pack. & Ind. Conv. Paper	34403	20921	3582	2320	5478	2835	46586	88.9
Special Industrial Paper	63380	81389	10168	8433	10852	7432	107883	48.4
Tissue	3556	2869	329	252	290	269	3281	1.4
Paperboard, Total	186226	84131	15337	7187	19433	8327	204879	10.0
Convtd Paper&Paperbd Products	211112	164568	18353	13168	20342	15474	229285	12.8
Wet Machine Board	5289	2876	260	198	702	380	4633	-34.1
Construction Pap & Bd. E	25831	8855	1648	712	1951	891	21879	-13.9

SOURCE: Bureau of Census, Department of Commerce. E - Estimate of tonnage based on square foot data

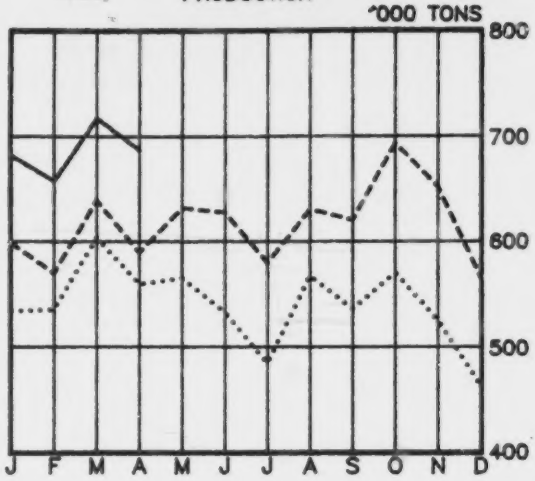
UNBLEACHED KRAFT LINERBOARD

PRODUCTION



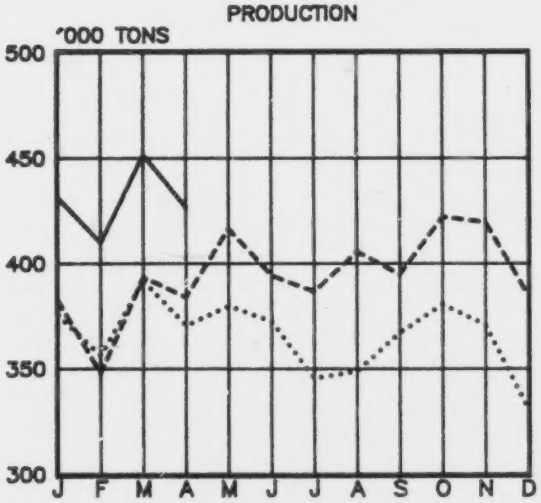
RECYCLED PAPERBOARD

PRODUCTION



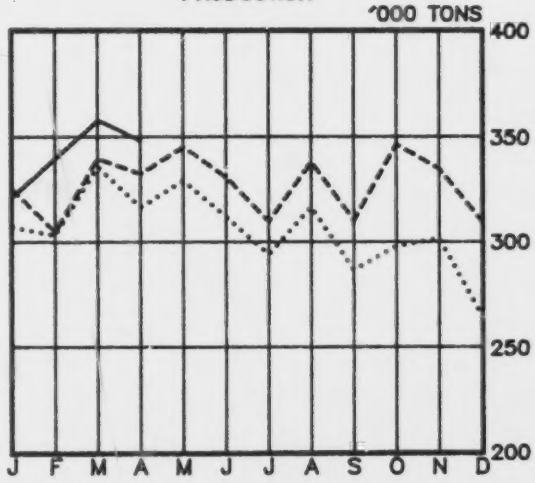
SEMICHEMICAL PAPERBOARD

PRODUCTION



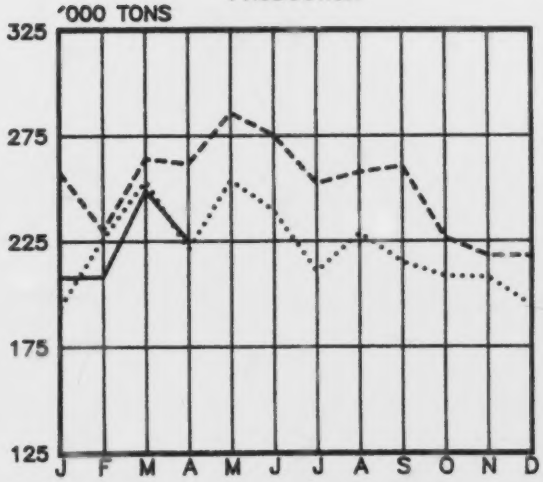
SOLID BLEACHED PAPERBOARD

PRODUCTION



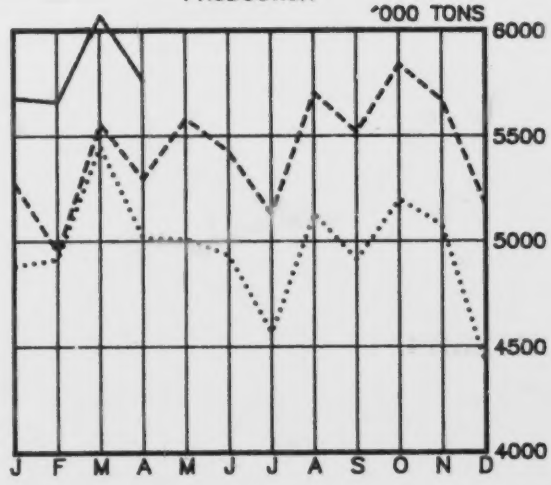
PAPERBOARD FOR EXPORT

PRODUCTION



TOTAL PAPER AND PAPERBOARD

PRODUCTION



1982 ····· 1983 - - - - - 1984 ——

PULP PAPER AND PAPERBOARD IMPORTS AND EXPORTS DATA

I M P O R T S

	YEAR 1983 Tons	YEAR 1983 $000	FEB. 1984 Tons	FEB. 1984 $000	MARCH 1984 Tons	MARCH 1984 $000	(1) Annual Rate Y-T-D 1984	% Change from same Period Last Year
Pulpwood Roundwood (cords)	135124	7471	12973	598	17448	848	187812	88.1
Pulpwood Chips	1991453	49104	271554	5784	336057	7040	3029872	52.7
Total All Imports	13248280	5526141	1288582	557332	1214832	541541	14960132	25.7
Wood Pulp Total	4093436	1472478	420082	158471	340982	132233	4394232	20.4
Waste Paper	100410	10537	8271	921	8804	813	104224	62.3
Other Fibrous Materials	68003	24272	6233	2151	5487	2226	66598	-8.8
Paper Board & Products Total	8986431	4018855	852996	385780	859559	406268	10385078	28.1
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	8834560	3582282	836179	352379	843672	365275	10202255	27.6
Paper Prbd & Prds ex Cnst&WMB	8509180	3911591	815179	387482	816765	395731	9867022	30.2
Paper & Paperboard Only	8357309	3475028	788362	344071	800878	354737	9774200	29.8
Paper Total	8189491	3428868	773928	337594	777328	348029	9482217	28.5
Newsprint	6819348	2757524	621259	251553	590980	242475	7501180	17.4
Printing & Writing	1151011	587426	137325	75818	172098	85641	1813386	102.8
Uncoated Groundwood	732237	331017	70162	34021	85055	41072	812916	55.9
Uncoated Book	154147	88632	21777	13403	27999	17815	293685	98.1
Coated Print.& Impres. Par	182441	101289	20701	13788	28280	18539	283402	172.6
Bristols	471	557	74	83	32	34	662	70.0
Writing and Similar Paper	81458	46718	19663	11030	26377	14140	256614	546.8
Thin (except Cigarette)	20258	19213	4949	3493	4355	4043	58097	353.5
Total Pkg & Other Paper	107515	75694	14167	9430	12528	8727	162448	64.2
Unbleached Kraft Paper	42013	17454	6720	2698	3815	1905	60024	60.9
Other Pkg. & Indust. Paper	65503	58240	7446	6732	8714	6822	102422	66.3
Tissue	11817	8225	1177	793	1722	1186	15205	146.2
Paperboard, Total	167818	46160	24434	6477	23550	6708	281882	94.6
Test or Containerboard	48119	13042	7152	2017	7243	2187	81342	114.2
Semi-Chemical Corrugating	69564	14509	11753	2686	10350	2530	129498	115.0
Other Paperboard	50136	18609	5528	1795	5958	1991	71141	52.2
Convtd Paper&Paperbd Products	151872	436563	16817	43411	15887	40884	182822	59.6
Paper Products, Total	124816	373966	14740	38736	13667	35996	166848	68.0
Paperboard Products, Total	27055	62597	2078	4676	2220	4888	25974	20.7
Wet machine Board	3584	2422	354	243	316	235	3720	16.9
Construction Paper & Board	473667	104842	37463	8065	42477	10303	424338	-7.6
Notes								
Other: No Weight Avail. ($000)		148251		14355		15890	186028	55.3
Total Imports Incl. Other($000)		5674392		571687		557432	6715207	34.5

E X P O R T S

							(1)	
Pulpwood, Roundwood (cords)	68497	4405	2898	165	3857	194	41558	-5.7
Pulpwood Chips	2554176	171289	133410	8028	204631	13353	2274104	-2.8
Total All Exports	10888949	4221511	888451	350249	1057383	407105	11285684	11.2
Wood Pulp,Total	3643963	1362022	317285	120806	373638	143124	3301978	13.8
Cotton Pulp and Other Pulp	102863	69805	9455	4546	4319	3320	92248	-6.5
Waste and Old Paper	2573718	308815	230894	28554	277824	32194	3096180	28.8
Paper, Board & Products,Total	4568407	2480769	330817	185542	401584	228468	4285280	-0.5
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	3984277	1717768	277543	131534	347314	160382	3664178	-2.7
Paper, Prbd & Prod ex Cnst&WMB	4501039	2448778	324262	181868	382971	223012	4209541	-0.8
Paper & Paperboard, Only	3918810	1685778	270987	127960	338701	154938	3579436	-3.2
Paper, Total	773414	598370	62721	49740	70340	54048	782848	0.7
Newsprint	284870	127119	21504	8492	24683	10832	278770	9.9
Printing & Writing	201798	198304	17246	17907	18804	20384	215278	2.3
Uncoated Groundwood	37289	33300	2082	1824	2423	2512	25883	-36.8
Clay Coated Paper	79182	80033	8235	6590	8478	7101	100684	25.4
Uncoated Free Sheet	59125	71882	5451	7341	8298	8400	88791	10.2
Other Printing & Writing	26202	33310	1479	2053	1604	2371	19910	-25.4
Total Pkg. & Other Paper	260865	255086	22852	20848	25181	20822	272255	-8.0
Unbleached Kraft	116170	43227	7978	3041	9221	3828	103276	-26.7
Other Pkg. & Indust. Paper	144695	211859	14875	17907	15960	17094	168978	9.1
Tissue	15881	18861	1120	1383	1691	1908	15343	-8.2
Paperboard, Total	3143496	1086408	208266	78220	268362	100890	2785790	-4.2
Solid Wood Pulp	2983868	1016184	199667	74426	254323	93304	2661147	-4.2
Total Linerboard	2254538	575862	141858	39883	185757	53345	1931167	-2.4
Bleached Kraft Linerboard	160253	64914	17050	6562	10278	4841	170282	64.0
Unbleached Kraft Linerbd	2084285	510948	124808	33430	175479	48505	1760878	-6.1
Other Unbleached Kraft	107141	51822	5280	2979	9764	4750	106016	-20.9
Other Bleached Kraft	558431	371357	50735	30985	53239	33705	589153	5.6
Semi-Chemical Corrugating	73758	17144	1794	470	5564	1504	34810	-67.5
Recycled Paperboard	148628	70224	8599	3794	14038	7586	134843	-3.5
Convtd Paper&Paperbd Products	584129	763001	53274	84008	54270	88078	631105	15.0
Paper Products, Total	311722	535598	27869	41160	28807	47005	333686	10.9
Paperboard Products, Total	272408	227408	25405	22847	24463	21071	287408	20.1
Wet Machine Board	11622	5420	838	404	1197	674	11863	-22.4
Construction Paper & Board E	55748	26570	5618	3171	7418	4783	73877	30.6
Notes								
Other: No Weight Avail. ($000)		7965		559		856	7139	10.7
Total Exports Incl. Other($000)		4229475		350808		407861	4399864	11.2

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES
1967 = 100

	1982	1983	JAN.	FEB.	MARCH	APRIL	Annual Rate Y-T-D 83	% Change From same Period Last Year
Pulp, Paper and Products except Building Grades	273.2	271.4	280.0	283.3	286.4	290.1	285.0	6.0
Pulp Paper & Products, ex. Building Grades & ex Waste Paper #	275.9	273.3	281.2	284.2	287.1	290.6	285.8	5.3
Total Wood Pulp	379.1	347.1	364.4	371.5	376.0	392.5	376.1	9.2
Total Paper	286.3	282.3	294.3	296.6	299.2	300.6	297.7	6.8
Total Paper, exc. Newsprint	278.3	277.0	295.1	296.9	298.6	299.7	297.6	9.1
Newsprint	315.8	303.0	309.6	309.6	316.0	316.0	312.8	4.6
Total Paperboard	254.9	250.8	262.2	269.3	273.6	275.4	270.1	10.1
Total Paper and Paperboard #	276.5	272.4	284.2	288.0	291.2	292.7	288.0	7.7
Converted Products	264.4	265.4	269.4	271.6	274.1	277.7	273.2	3.2
Waste Paper	121.1	158.6	211.5	229.3	242.9	258.8	235.6	103.1
All Commodities	299.3	303.1	308.1	308.8	311.1	311.4	308.8	3.1
Industrial Commodities	312.3	315.7	319.2	320.4	321.9	322.5	321.0	2.4

SOURCE: Producer Price Indexes -Bureau of Labor Statistics, U.S. Department of Labor # Computed by API

Continued from Page 2

reported by the Fibre Box Association for the January-April period. The latest report noted that shipments of fibre boxes in April 1984 was the highest April total on record. The seasonally adjusted rate of shipments in the first four months of 1984 was at the rate of 267 billion square feet. (For 1983 as a whole, fibre box shipments totalled a record-high 252 billion square feet.) The Association also noted that inventories of containerboard at paperboard mills and fibre box plants were equivalent to 6.3 weeks of supply at current consumption rates, and that the tonnage level of inventories as of the end of April was only 0.4% above its year-ago level.

Although total production of semichemical paperboard in the first four months of 1984 showed a gain close to that of total containerboard for domestic use -- actually 14% -- production of unbleached kraft linerboard gained 9.8%.

Continued on Page 11

Continued from Page 10

The smaller increase in total unbleached kraft linerboard production reflected an 11% decline in production for export in this period. However, most of this loss was concentrated in the first two months of 1984, when exports averaged 153,000 tons per month. In the March-April 1984 period production for export averaged 180,000 tons per month. Although encouraging, the level was still below the 190,000 tons per month average exported during 1983.

Whereas the performance of the containerboard grades continued a long-term pattern of strong tonnage demand, the strength in the production of the boxboard grades represents a sharp break from the past. Recycled paperboard production, in particular, has been a standout. Production of these grades in the first four months of 1984 was 14.4% above its comparable 1983 level, running at a rate in excess of 8 million tons per year. During 1983 production had also shown some strength; the 7.4 million-ton total was 5.7% above its 1981 level and 14% above the 1982 recession low but just about matching average production in the 1976-1979 period. The 1984 rate, however, represents a new high for this grade; if the current rate is maintained for the rest of this year, it would mark the first time the total exceeded 8 million tons.

In 1983 major gains were concentrated in the non-packaging grades, particularly gypsum wallboard facings and panelboard, although tube, can and drum stock production from recycled mills was also strong. So far this year, these grades continue to rise rapidly, with gypsum wallboard facings up 53% from their four-month 1983 total and panelboard up 39%, reflecting the increases in both homebuilding and automobile production. Tube, can and drum stock rose 14%.

What is unusual about the 1984 performance is the gain in folding boxboard production -- up 10% so far this year -- and set-up boxboard - up 18%. Last year, production of folding boxboard rose 7.5% from its 1982 low. So far this year production of folding boxboard is running at 4.4 million tons per year, with the gains in the clay coated grades being shared roughly equally between the solid bleached board and recycled grades.

Fibrous Materials

Production of market wood pulp in the first four months of 1984 rose 9.5% above its year-earlier level to a record-high rate of 6.9 million tons per year; this reflected the growing strength in demand for paper and paperboard in the United States. Shipments of paper grade chemical market pulp to the domestic markets was particularly strong, rising 20%;

Continued on Page 12

Continued from Page 11

export shipments gained 5%. Total wood pulp production was also at record-high levels. At 56 million tons per year, production was 8.6% above its year-earlier level.

Consumption of waste paper at paper and paperboard mills also maintained its position, with the January-March 1984 rate of 15.8 million tons per year 10.7% over its year-ago level. In addition waste paper exports, at 3.1 million tons per year, were 30% above their year-earlier level in the first three months of 1984.

Capital Expenditures

A recent report by the McGraw Hill Economics Department gave further weight to the Department of Commerce's forecast of a rising trend of expenditures on new plant and equipment by paper and allied products companies. McGraw Hill reported that, on the basis of their survey, paper and allied products companies would spend $6.7 billion for such products in 1984 compared to $6.2 billion spent in 1983. McGraw Hill further reported that these expenditures are expected to rise to $7.2 billion in 1985 and $7.9 billion in 1986. The survey further noted that these companies would spend about 8% of the total for new plant and 92% for equipment.

In another report, McGraw Hill survey showed that paper and allied products companies would spend $324 million in pollution abatement equipment in 1984, compared to $416 million in 1983. However, they noted that these companies would increase such expenditures to $381 million in 1985.